

FIG. 1

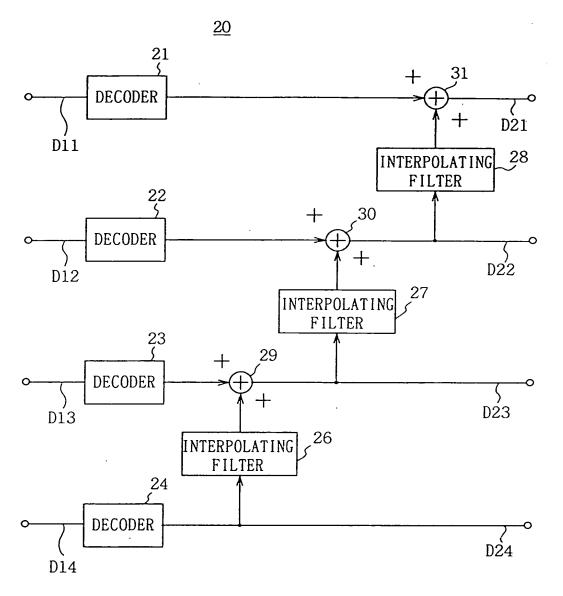


FIG. 2

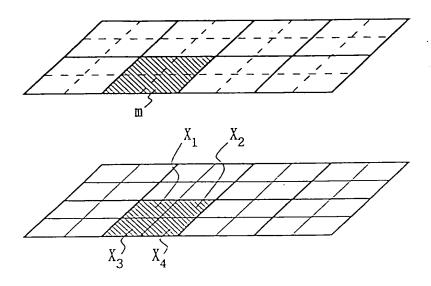


FIG. 3

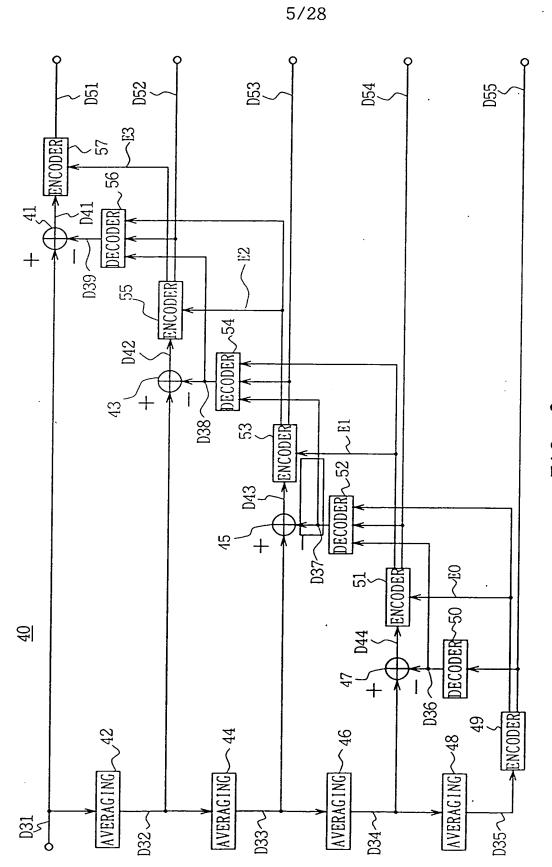
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| | DIVISION INHIBITING CONDITION TO LOWER HIERARCHY (MAXIMUM DIFFERENCE DATA ≤ THRESHOLD VALUE) | | | | | | | | | | | |
|----------------------------------|--|------|------|------|------|------|------|-------|------|------|------|------|
| STANDARD PICTURES | ERRO |)R≦1 | ERR(|)R≦2 | ERRO |)R≦3 | ERRO | R ≤ 4 | ERRO |)R≦5 | ERRO |)R≦6 |
| SKIN-COLOR CHART | 0. | 5 6 | 0. | 29 | 0. | 21 | 0. | 19 | 0. | 17 | 0. | 1 5 |
| YACHT HARBOR | 0. | 86 | 0. | 74 | 0. | 6 5 | 0. | 59 | 0. | 53 | 0. | 48 |
| SWEATER AND BAG | 0. | 81 | 0. | 59 | 0. | 44 | 0. | 3 5 | 0. | 29 | 0. | 24 |
| EIFFEL TOWER | 0. | 59 | 0. | 38 | 0. | 30 | 0. | 26 | 0. | 24 | 0. | 22 |
| HAT SHOP | 0. | 8 2 | 0. | 6 5 | 0. | 5 3 | 0. | 4 5 | 0. | 40 | 0. | 35 |
| LOVERS IN SNOW | 0. | 6 5 | 0. | 3 5 | 0. | 23 | 0. | 18 | 0. | 14 | 0. | 12 |
| INFORMATION BOARD FOR TOURIST | 0. | 75 | 0. | 60 | 0. | 5 3 | 0. | 47 | 0. | 4 3 | 0. | 40 |
| TULIP GARDEN | 0. | 91 | 0. | 8 7 | 0. | 8 3 | 0. | 79 | 0. | 75 | 0. | 7 2 |
| CHROMAKEY CHART | 0. | 50 | Ο. | 3 0 | Ο. | 2 5 | 0. | 22 | 0. | 20 | 0. | 18 |
| AVERAGE | 0. | 7 2 | 0. | 53 | 0. | 44 | 0. | 39 | 0. | 3 5 | 0. | 32 |

FIG. 4

| STANDARD PICTURES | ORIGINAL SIGNAL | | SECOND HIERARCHY | | FOURTH HIERARCHY | FIFTH HIERARCHY |
|----------------------------------|--------------------|----|---------------------|----|---------------------|--------------------|
| SKIN-COLOR CHART | 30 | 4 | 5 | 5 | . 7 | 30 |
| YACHT HARBOR | 58 | 13 | 15 | 16 | 17 | 49 |
| SWEATER AND BAG | 56 | 6 | 7 | 8 | 11 | 53 |
| EIFFEL TOWER | 52 | 8 | 9 | 9 | 10 | 49 |
| HAT SHOP | 56 | 8 | 12 | 15 | 18 | 49 |
| LOVERS IN SNOW | 56 | 4 | 6 | 8 | 10 | 54 |
| INFORMATION BOARD FOR TOURIST | 68 | 11 | 15 | 18 | 19 | 61 |
| TULIP GARDEN | 52 | 17 | 17 | 17 | 16 | 39 |
| CHROMAKEY CHART | 55 | 8 | 9 | 9 | 10 | 52 |
| AVERAGE | 54 | 9 | 11 | 12 | 13 | 48 |

FIG. 5



F1G. 6

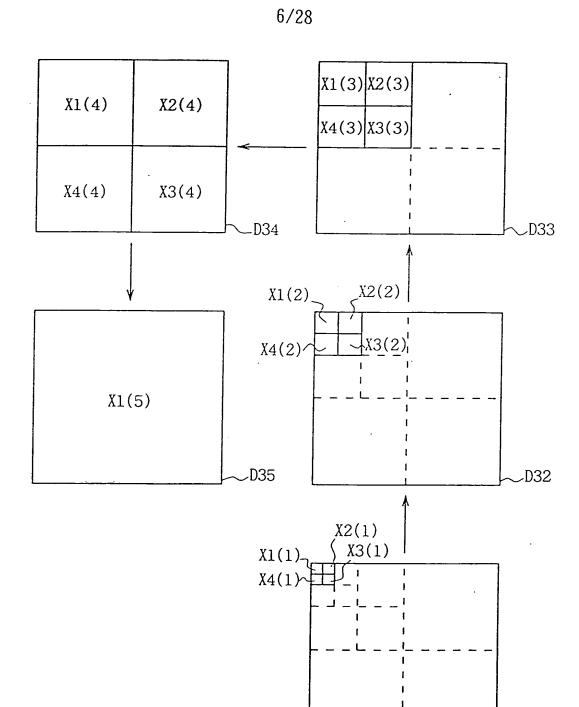


FIG. 7

√D31

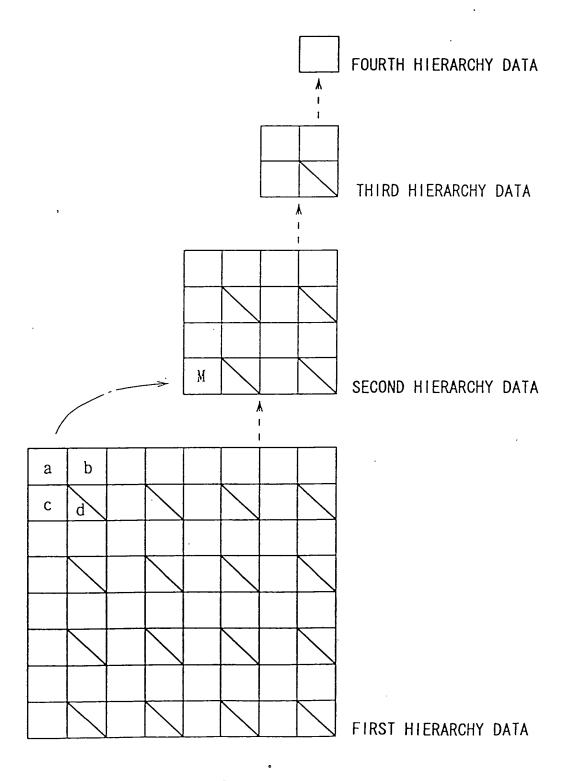


FIG. 8

The Land dies that from the

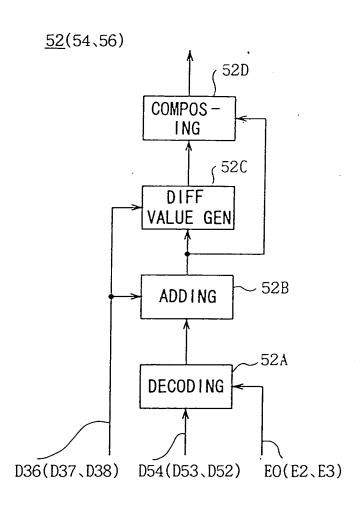


FIG. 9

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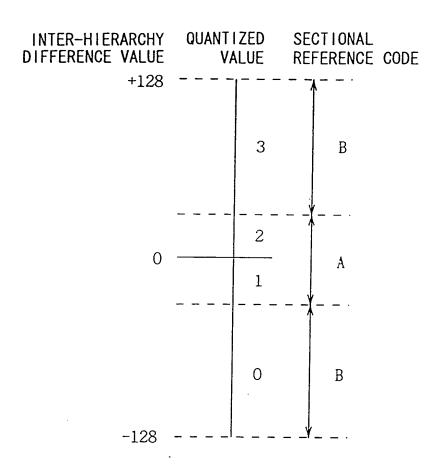


FIG. 10

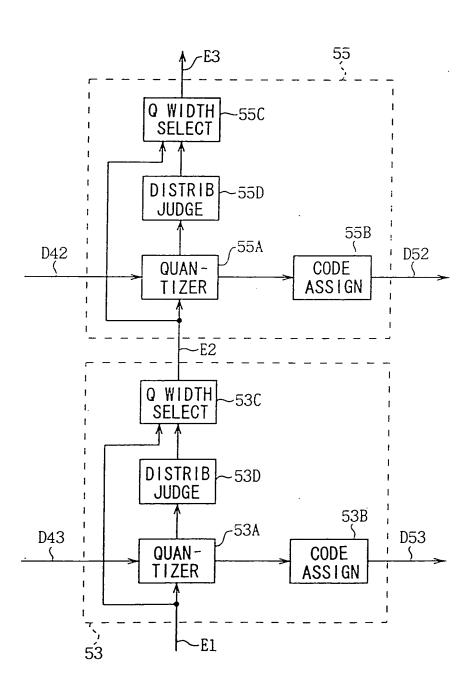


FIG. 11

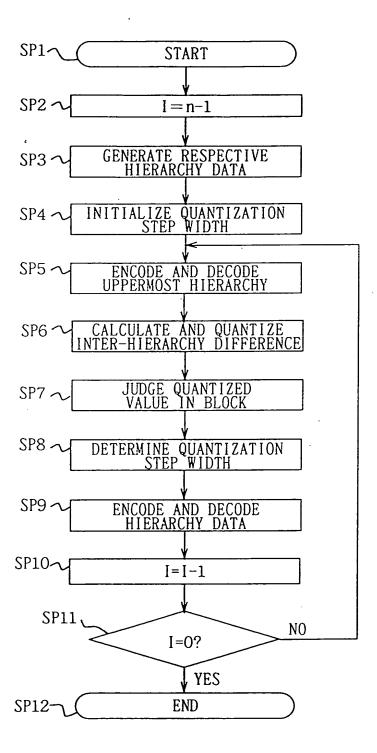
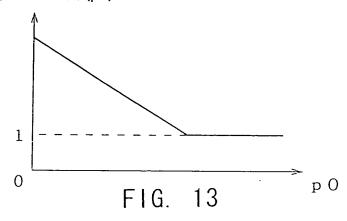


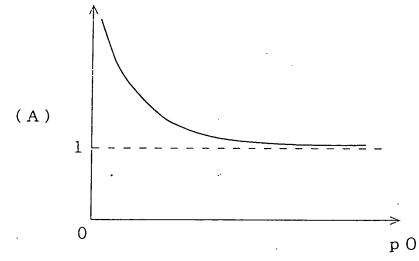
FIG. 12

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LINEAR WEIGHT : w1(p0)



NON-LINEAR WEIGHT : w2(p0)



NON-LINEAR WEIGHT : w3(p0)

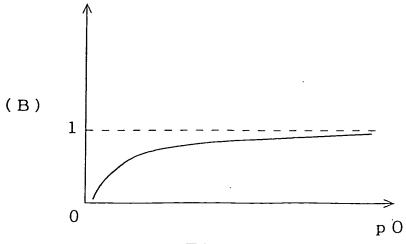
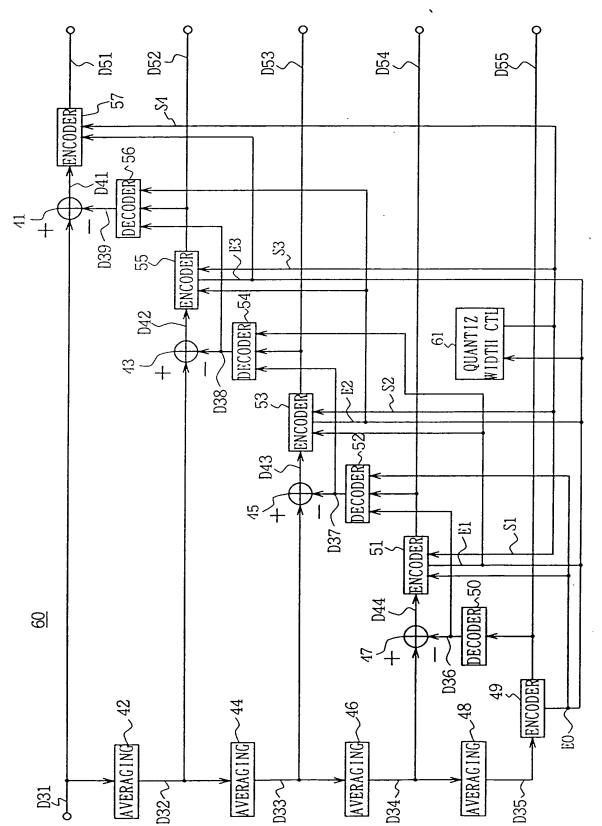


FIG. 14



F1G. 15

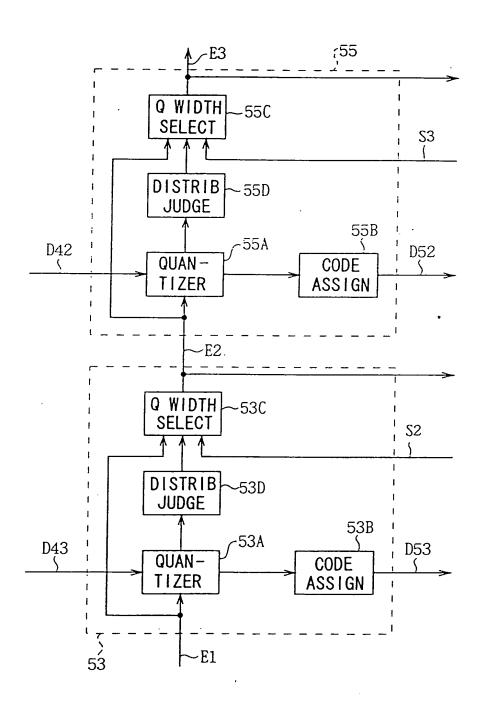


FIG. 16

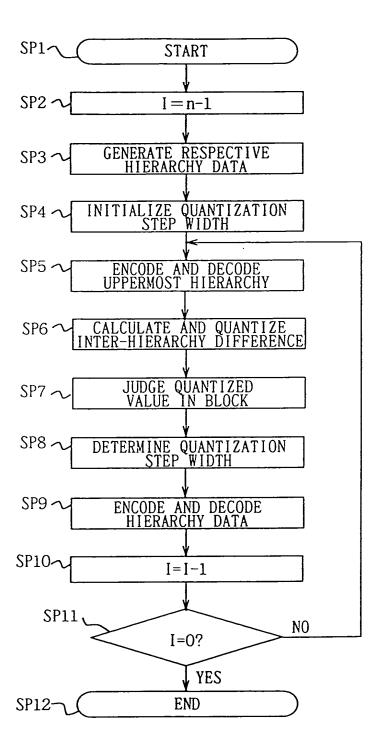


FIG. 17

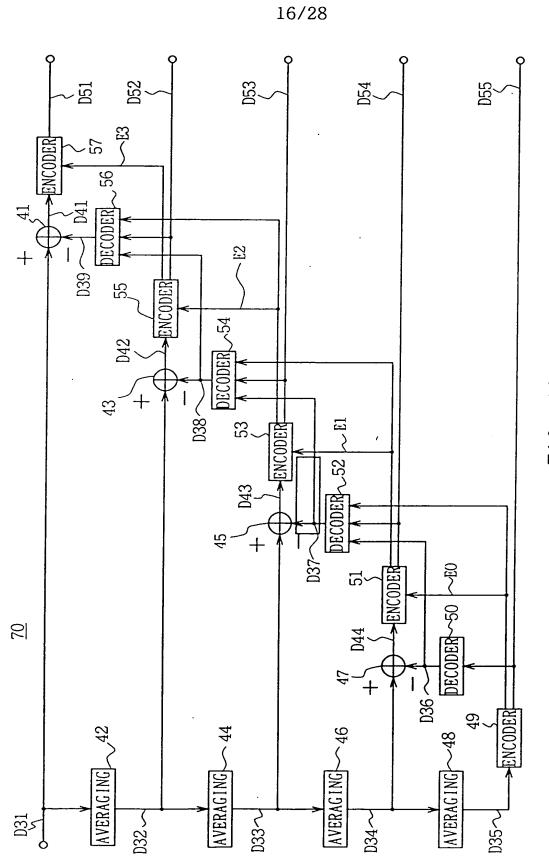


FIG. 18

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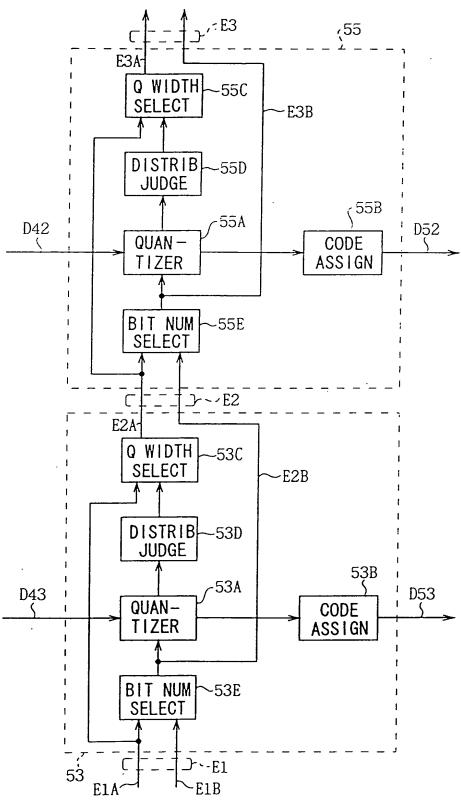
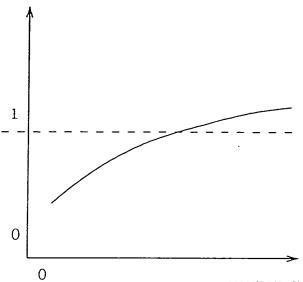


FIG. 19

QUANTIZATION BIT NUMBER WEIGHT DETERMINING FUNCTION : f0(p0)



QUANTIZATION STEP WIDTH OF UPPER HIERARCHY: pO

FIG. 20

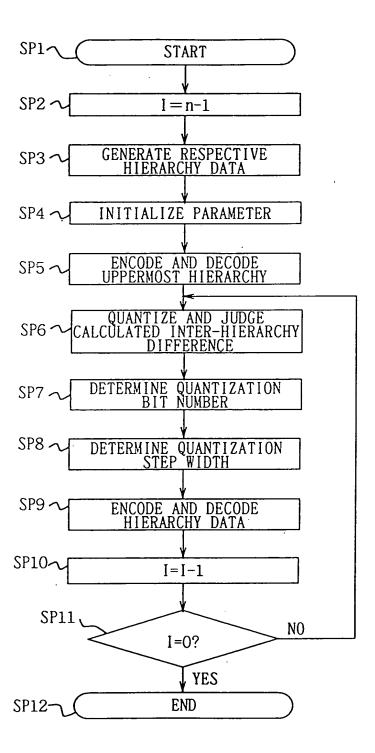


FIG. 21

QUANTIZATION BIT NUMBER
WEIGHT DETERMINING FUNCTION ; f1(ptn)

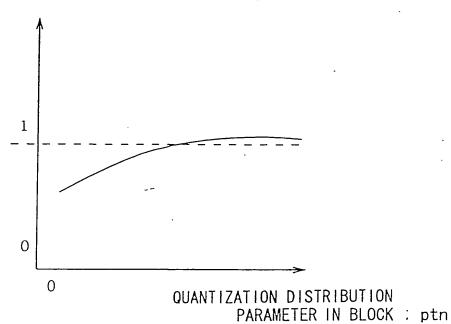
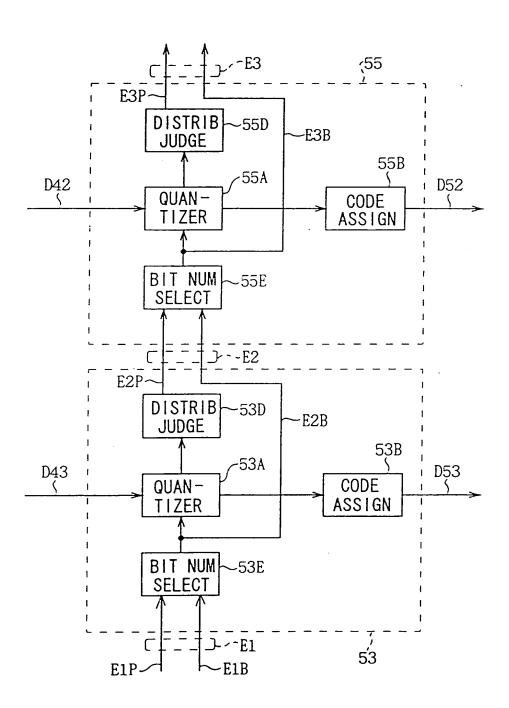
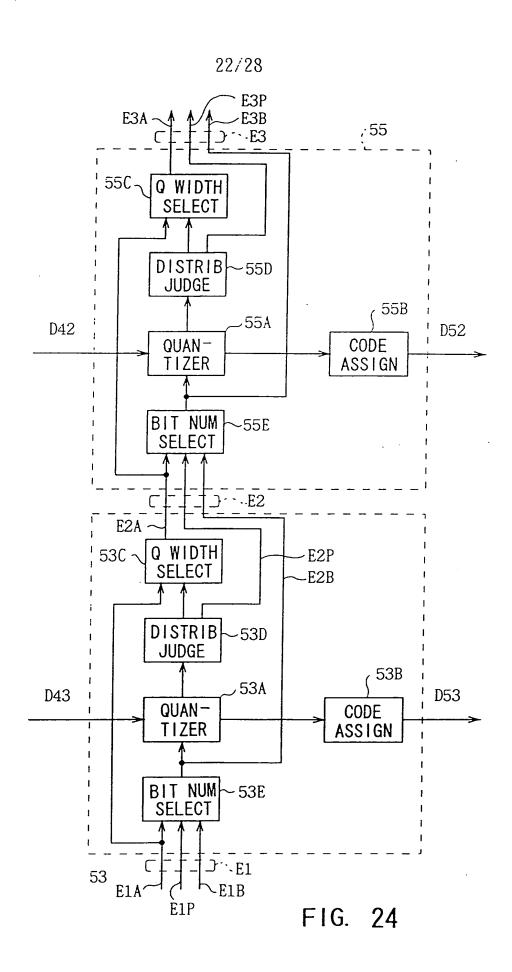
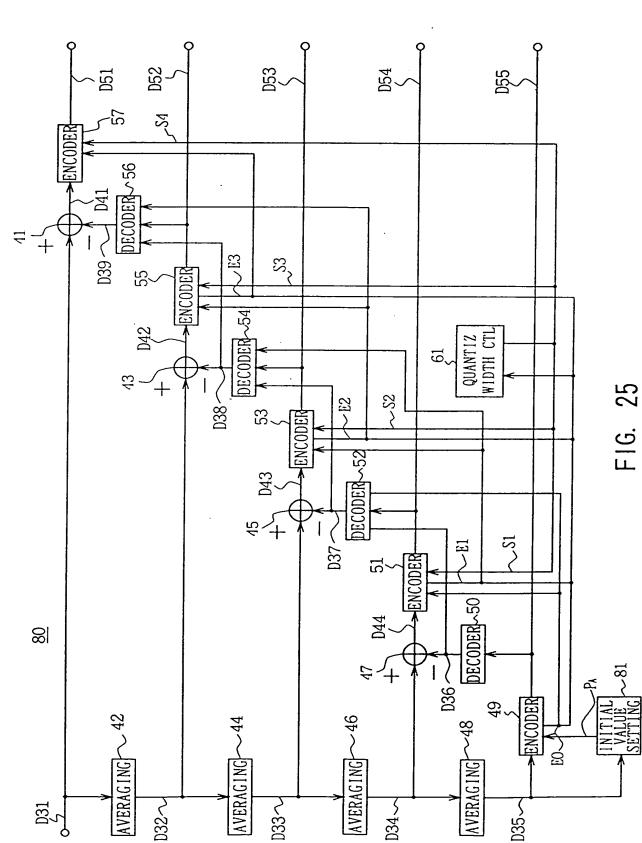


FIG. 22



.FIG. 23





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| · x 0 | X 1 | X 2 | | |
|-------|-----|-----|--|--|
| X 7 | m | х3 | | |
| X 6 | X 5 | X 4 | | |

FIG. 26

| · | X 0 | |
|-----|-----|-----|
| х 3 | m | X 1 |
| | X 2 | |

FIG. 28

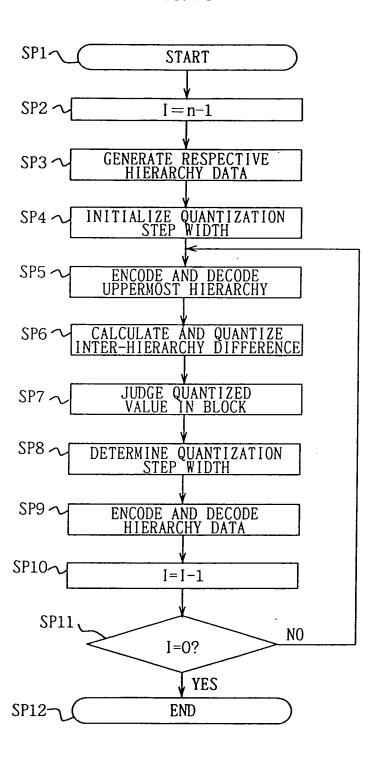


FIG. 27

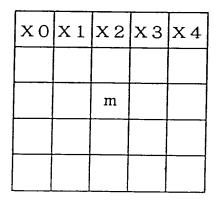


FIG. 29

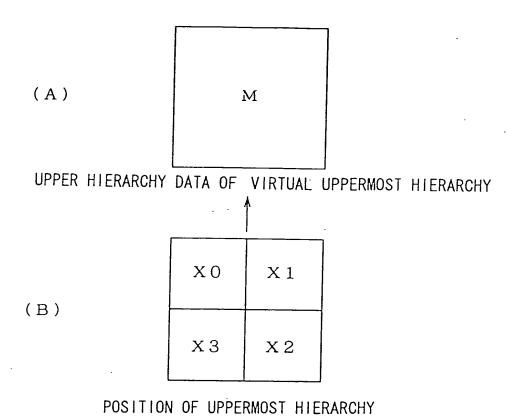


FIG. 30